

1999-2001 PM₁₀ Air Quality Data Update

The following is a brief summary of EPA's 2001 air quality update for PM₁₀ nonattainment areas. **No regulatory decisions on attainment status have been made for areas based upon this data. In some cases, the data is still under review.**

Today's list updates PM₁₀ air quality monitoring data for the three-year period, 1999-2001. During this current three-year period,

- 13 of the 85 areas previously designated nonattainment for the PM₁₀ National Ambient Air Quality Standard (NAAQS) failed to meet the NAAQS in 1999-2001 (Table 1).
- 19 additional areas failed to meet the PM₁₀ NAAQS in 1999-2001 (Table 2).

The PM₁₀ NAAQS consist of a short-term (24-hour) standard and a long-term (annual) standard. EPA set the 24-hour PM₁₀ standard at 150 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) not to be exceeded more than once per year on average. EPA set the annual PM₁₀ standard at 50 $\mu\text{g}/\text{m}^3$. Compliance with both standards is judged on the basis of the most recent three years of ambient air quality monitoring data. The 24-hour PM₁₀ standard is not met at a monitoring site if the average number of estimated exceedances of the level of the standard is greater than 1.0 (1.05 rounds up). The annual PM₁₀ standard is not met at a monitoring site if the annual mean averaged over three years is greater than 50 $\mu\text{g}/\text{m}^3$ (50.5 rounds up).

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Table 1. Areas previously designated nonattainment for PM₁₀

State	Area	Status ¹	Annual PM ₁₀ Design Value (µg/m ³) ²	24-hour PM ₁₀ Design Value (µg/m ³) ²	Estimated Exceedances ³	Meet NAAQS?
AK	Eagle River	Nonattainment	19	90	0	yes
AK	Juneau	Nonattainment	7	33	0	yes
AZ	Ajo	Nonattainment	18	47	0	yes
AZ	Bullhead City	Nonattainment	12*	42	0	yes
AZ	Douglas	Nonattainment	35*	137	0	yes
AZ	Hayden/Miami	Nonattainment	31*	88	0	yes
AZ	Nogales	Nonattainment	43*	213	7.5	no
AZ	Paul Spur	Nonattainment	26	89	0	yes
AZ	Payson	Nonattainment	24	88	0	yes
AZ	Phoenix	Nonattainment	55	300	43.6	no
AZ	Rillito	Nonattainment	30*	129	0	yes
AZ	Yuma	Nonattainment	30*	150	0	yes
CA	Coachella Valley	Nonattainment	56	604	8.3	no
CA	Imperial Valley	Nonattainment	82	510	30.6	no
CA	Mammoth Lakes	Maintenance	8*	76	0	yes
CA	Mono Basin	Nonattainment	56*	4482	5.6	no
CA	Owens Valley	Nonattainment	138*	12160	26.2	no
CA	Sacramento County	Nonattainment	27	141	0	yes
CA	San Bernardino	Nonattainment	22*	109	0	yes
CA	San Joaquin Valley	Nonattainment	53	212	6	no
CA	Searles Valley	Nonattainment	18	100	0	yes
CA	South Coast Air Basin	Nonattainment	65	166	1.9	no
CO	Aspen	Nonattainment	23*	73	0	yes
CO	Canon City	Maintenance	16	133	0	yes
CO	Denver	Nonattainment	28	135	0.4	yes

CO	Lamar	Nonattainment	29*	145	0	yes
CO	Pagosa Springs	Maintenance	24*	123	0.3	yes
CO	Steamboat Springs	Nonattainment	24*	100	0	yes
CO	Telluride	Maintenance	19*	67	0	yes
CT	New Haven	Nonattainment	33	92	0	yes
ID	Boise	Former Nonattainment Area ⁴	30	123	0	yes
ID	Fort Hall	Nonattainment	57	316	16.6	no
ID	Pinehurst	Nonattainment	16*	50	0	yes
ID	Portneuf Valley	Nonattainment	30	168	1	yes
ID	Sandpoint(Bonner County)	Nonattainment	20*	83	0	yes
ID	Shoshone County	Nonattainment	19*	70	0	yes
IL	Granite City	Maintenance	45	141	0.3	yes
IL	Lyons Township	Nonattainment	36	137	0	yes
IL	Oglesby	Maintenance	25	140	0	yes
IL	Southeast Chicago	Nonattainment	34*	92	0	yes
IN	Lake County	Nonattainment	32	148	1	yes
IN	Vermillion	Maintenance	ND	ND	ND	
ME	Presque Isle	Maintenance	14	78	0	yes
MI	Detroit	Maintenance	38	146	0.3	yes
MN	Rochester	Maintenance	3*	40	0	yes
MN	Saint Paul	Nonattainment	35	103	0	yes
MT	Butte	Nonattainment	20	69	0	yes
MT	Columbia Falls	Nonattainment	15	74	0	yes
MT	Kalispell	Nonattainment	17*	76	0	yes
MT	Lame Deer	Nonattainment	25*	131	0	yes
MT	Libby	Nonattainment	25*	94	0	yes
MT	Missoula	Nonattainment	21*	69	0	yes

MT	Polson	Nonattainment	19	99	0	yes
MT	Ronan	Nonattainment	19*	118	0.4	yes
MT	Thompson Falls	Nonattainment	12*	75	0	yes
MT	Whitefish	Nonattainment	20*	98	0	yes
NM	Anthony	Nonattainment	32	104	0	yes
NV	Las Vegas	Nonattainment	49	261	3.6	no
NV	Reno	Nonattainment	47	215	2.1	no
NY	New York	Nonattainment	17*	102	0	yes
OH	Cuyahoga County	Maintenance	42	233	4.2	no
OH	Mingo Junction	Maintenance	31	80	0	yes
OR	Eugene/Springfield	Nonattainment	19	73	0	yes
OR	Grants Pass	Nonattainment	16*	54	0	yes
OR	Klamath Falls	Nonattainment	19*	92	0	yes
OR	La Grande	Nonattainment	20*	89	0	yes
OR	Lakeview	Nonattainment	18*	110	0	yes
OR	Medford	Nonattainment	27*	93	0	yes
OR	Oakridge	Nonattainment	19	102	0	yes
PA	Clairton	Nonattainment	30	134	0	yes
PR	Guaynabo	Nonattainment	31	102	0	yes
TX	El Paso	Nonattainment	44	364	1.7	no
UT	Ogden	Nonattainment	11*	87	0	yes
UT	Salt Lake County	Nonattainment	45	136	0	yes
UT	Utah County	Nonattainment	33	98	0	yes
WA	Kent	Maintenance	12*	51	0	yes
WA	Olympia	Maintenance	15	60	0	yes
WA	Seattle	Maintenance	24*	73	0	yes
WA	Spokane	Nonattainment	28	98	0	yes

WA	Tacoma	Maintenance	24*	72	0	yes
WA	Wallula	Nonattainment	31	126	0	yes
WA	Yakima	Nonattainment	24*	134	0	yes
WV	Follansbee	Nonattainment	27	65	0	yes
WV	Weirton	Nonattainment	31	102	0	yes
WY	Sheridan	Nonattainment	30*	118	0	yes

Table 2. Additional areas failing to meet the PM₁₀ NAAQS in 1999-2001

State	Area	Annual PM ₁₀ Design Value (µg/m ³) ²	24-hour PM ₁₀ Design Value (µg/m ³) ²	Estimated Exceedances ³
AL	Jefferson County	34*	157	2
CA	Yolo County	28	179	2.2
FL	Hamilton County	22	217	4.1
IA	Scott County	40	147	1.1
ID	Bingham County	24*	168	2.4
MN	Kandiyo hi County	16*	255	2.9
MO	Jasper County	35*	403	3.6
MO	St. Louis city	29	208	5.1
NE	Cass County	38	171	2.4
NE	Douglas County	42	180	1.8
NJ	Union County	33	156	2.4
OH	Columbiana County	31*	174	2
OH	Seneca County	25	170	2
PA	Philadelphia County	32*	290	2.8
TX	Harris County	43	195	2.1
WA	Stevens County	31*	263	3.2
WI	Milwaukee County	21	240	2
WY	Campbell County	34	287	2.2
WY	Sweetwater County	25	297	2.3

Notes:

¹ Areas that have demonstrated compliance with the NAAQS since their original nonattainment designation are called “Maintenance” areas.

² The updated design values are computed for the 1999-2001 period using federal reference or equivalent PM_{10} data reported by the Tribes and the State and local governments to EPA's Air Quality System (AQS) as of August 26, 2002. Concentrations flagged by States and Tribes as natural events (e.g. high winds, wildfires, volcanic eruptions) or exceptional events (e.g. construction, prescribed burning) are not included in the calculation of these design values. The computation procedures follow EPA guidance for calculating design values (40 CFR Part 50 Appendix K and the *PM₁₀ SIP Development Guideline* EPA 450/2-86-001). **No regulatory decisions on attainment status have been made for areas based upon this data. In some cases the data is still under review.**

³ The sampling schedule used in this calculation is the mode of the gap between samples in each calendar quarter. (The sampling schedule is used in the calculation of estimated exceedances.)

⁴ In March of 1999, EPA revoked the nonattainment designation and PM_{10} National Ambient Air Quality Standard for this area.

* This annual mean is based on incomplete data according to 40 CFR Part 50 Appendix K. There are no other sites in the area with complete data for this three-year period. Therefore, the highest annual mean among the incomplete sites was selected to represent the area for the given time period.

ND = No Data